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OM nucleic - nucleic search, using sw model

Run on: November 13, 2004, 02:18:46 ; Search time 375 Seconds
(without alignments)
6567.600 Million cell updates/sec

Title: US-09-941-042C-1
Perfect score: 456
Sequence: 1 ggaacatattcaatacatt.....ggtaaaagcagttacagag 456

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 3625171 seqs, 2700493622 residues

Total number of hits satisfying chosen parameters: 7250342

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
1: /cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq:
2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:
3: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:
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11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq:
12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq:
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14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq:
15: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq:
16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq:
17: /cgn2_6/ptodata/2/pubpna/US10E_PUBCOMB.seq:
18: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
19: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq:
20: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:
21: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	456	100.0	456	10	US-09-941-042C-1
2	456	100.0	456	17	US-10-363-069-1
3	66.6	14.6	5145	15	US-10-311-455-321
4	66.6	14.6	5145	15	US-10-240-485-17
5	66.4	14.6	8305	15	US-10-311-455-1541
6	61	13.4	6175	15	US-10-311-455-1280
7	61	13.4	158001	16	US-10-211-179-11
8	60.4	13.2	18997	15	US-10-172-086-17
9	60.4	13.2	18997	15	US-10-311-455-543
10	60.4	13.2	18997	17	US-10-311-507-31
11	60.4	13.2	18997	18	US-10-480-846-17
12	60.2	13.2	5925	15	US-10-311-455-1549

13	60	13.2	8305	15	US-10-311-455-1542
14	59.6	13.1	5407	15	US-10-311-455-2064
15	59.4	13.0	20674	15	US-10-170-097-651
16	59	12.9	158001	16	US-10-211-179-11
17	58.2	12.8	858	14	US-10-198-846-7035
18	58.2	12.8	8842	15	US-10-311-455-1422
19	58.2	12.8	8842	16	US-10-240-454-30
20	58	12.7	6062	16	US-10-221-613-50
21	58	12.7	8197	15	US-10-240-485-68
22	58	12.7	3673778	15	US-10-312-841-1
23	57.6	12.6	6050	15	US-10-172-086-50
24	57.6	12.6	6050	15	US-10-311-455-2102
25	57.6	12.6	6050	16	US-10-221-714A-518
26	57.6	12.6	6050	17	US-10-311-507-20
27	57.6	12.6	6050	18	US-10-480-846-50
28	57.6	12.6	10279	15	US-10-311-455-1564
29	57.6	12.6	10279	16	US-10-240-589C-86
30	57.2	12.5	8085	15	US-10-172-086-39
31	57.2	12.5	8085	16	US-10-221-714A-201
32	57.2	12.5	8085	17	US-10-311-507-71
33	57.2	12.5	8085	18	US-10-480-846-39
34	57	12.5	10886	15	US-10-311-455-2108
35	57	12.5	16258	16	US-10-257-165-120
36	57	12.5	53332	9	US-09-801-861-3
37	57	12.5	53332	14	US-10-224-562-3
38	56.8	12.5	91352	16	US-10-300-611-4
39	56.6	12.4	6013	16	US-10-221-613-226
40	56.6	12.4	6095	15	US-10-311-455-334
41	56.6	12.4	6095	15	US-10-240-485-28
42	56.6	12.4	6095	16	US-10-221-714A-32
43	56.6	12.4	16217	15	US-10-311-455-598
44	56.4	12.4	6111	15	US-10-311-455-863
45	56.4	12.4	6631	15	US-10-240-453-214

ALIGNMENTS

RESULT 1
US-09-941-042C-1
; Sequence 1, Application US/09941042C
; Publication No. US20030018997A1
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; TITLE OF INVENTION: TRANSGENIC PLANTS CONTAINING MOLECULAR DECOYS THAT ALTER PROTEIN
; FILE REFERENCE: 5051-471WO
; CURRENT FILING DATE: 2002-08-20
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; TYPE: DNA
; ORGANISM: Nicotiana tabacum
US-09-941-042C-1

Query Match	100.0%	Score 456	DB 10	Length 456
Best local similarity	100.0%	Pred. No. 3e-68		
Mismatches	456	Conservative	0	Indels 0
Matches	456	Conservative	0	Indels 0
Qy	1	GGAACATATTCAATCATTGTTAGTTGCTACTCATAATCGCTAGATACTTTGTGCTT	60	
Db	1	GGAACATATTCAATCATTGTTAGTTGCTACTCATAATCGCTAGATACTTTGTGCTT	60	
Qy	61	GCTAATAAGATACCTTTGAAATAGCTTAGTTTAAATAATAGCATAATAGATTTAGGA	120	
Db	61	GCTAATAAGATACCTTTGAAATAGCTTAGTTTAAATAATAGCATAATAGATTTAGGA	120	
Qy	121	ATTAGTATTGTTAGTTTAAATTAATCTATTGCTACTGTTACACAGTTTTTATTAATCAAGCCC	180	

Db 121 ATTAGTATTTTGGTGTAAATTAATCTATTGACTGTGAACAGTTTTTATATCTCAAGGCC 180
 QY 181 ATGAAAAATTTAATGCTTTTATAGTTTAACTTACTATATAAATTTTTCATATGTAATA 240
 Db 181 ATGAAAAATTTAATGCTTTTATAGTTTAACTTACTATATAAATTTTTCATATGTAATA 240
 QY 241 TTTAATCGGTATAGTTCGATATTTTTCATATTTTATATAAATAAATAAATTTACCT 300
 Db 241 TTTAATCGGTATAGTTCGATATTTTTCATATTTTATATAAATAAATAAATTTACCT 300
 QY 301 AATTATCGGTACAGTTATAGATTATATAAATACTACGGTTCTTCAGAGAATAAATCTTAA 360
 Db 301 AATTATCGGTACAGTTATAGATTATATAAATACTACGGTTCTTCAGAGAATAAATCTTAA 360
 QY 361 AATCGGTTCCGTGCGGACCGTTCGATCGGTTTGTAGTCGATTTTCAATAATTTCAATGACACT 420
 Db 361 AATCGGTTCCGTGCGGACCGTTCGATCGGTTTGTAGTCGATTTTCAATAATTTCAATGACACT 420
 QY 421 CCTAGTTGTTGTATAGTTAAAGACAGTTACAGAG 456
 Db 421 CCTAGTTGTTGTATAGTTAAAGACAGTTACAGAG 456

RESULT 2
 US-10-363-069-1
 ; Sequence 1, Application US/10363069
 ; Publication No. US20040103454A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Conkling, Mark A.
 ; APPLICANT: Li, Yan
 ; TITLE OF INVENTION: TRANSGENIC PLANTS CONTAINING MOLECULAR DECOYS THAT ALTER PROTEIN
 ; FILE REFERENCE: 5051-471XX
 ; CURRENT APPLICATION NUMBER: US/10/363,069
 ; PRIOR FILING DATE: 2003-02-28
 ; PRIOR APPLICATION NUMBER: PCT/US01/26788
 ; PRIOR FILING DATE: 2001-08-28
 ; PRIOR APPLICATION NUMBER: US 60/229,198
 ; PRIOR FILING DATE: 2000-08-30
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 1
 ; LENGTH: 456
 ; TYPE: DNA
 ; ORGANISM: Nicotiana tabacum
 US-10-363-069-1

Query Match 100.0%; Score 456; DB 17; Length 456;
 Best Local Similarity 100.0%; Pred. No. 3e-66; Mismatches 0; Indels 0; Gaps 0;
 Matches 456; Conservative 0

QY 1 GGAACATATTCATATGATTTGCTACTCATATCGCTAGAAATCTTTGTCCTT 60
 Db 1 GGAACATATTCATATGATTTGCTACTCATATCGCTAGAAATCTTTGTCCTT 60
 QY 61 GCTAATAAGACATCTTGAATAGCTAGTTTAAATAAATAAGATAATAGATTAGGA 120
 Db 61 GCTAATAAGACATCTTGAATAGCTAGTTTAAATAAATAAGATAATAGATTAGGA 120
 QY 121 ATTAGTATTTTTCAGTTTAAATCTTATTCAGTTGTAACAGTTTATATAATTCAGAGGCC 180
 Db 121 ATTAGTATTTTTCAGTTTAAATCTTATTCAGTTGTAACAGTTTATATAATTCAGAGGCC 180
 QY 181 ATGAAAAATTTAATGCTTTTATAGTTTAACTTACTATATAAATTTTTCATATGTAATA 240
 Db 181 ATGAAAAATTTAATGCTTTTATAGTTTAACTTACTATATAAATTTTTCATATGTAATA 240
 QY 241 TTTAATCGGTATAGTTCGATATTTTTCATATTTTATATAAATAAATAAATTTACCT 300
 Db 241 TTTAATCGGTATAGTTCGATATTTTTCATATTTTATATAAATAAATAAATTTACCT 300
 QY 301 AATTATCGGTACAGTTATAGATTATATAAATACTACGGTTCTTCAGAGAATAAATCTTAA 360

Db 301 AATTATCGGTACAGTTATAGATTATATAAATACTACGGTTCTTCAGAGAATAAATCTTAA 360
 QY 361 AATCGGTTCCGTGCGGACCGTTCGATCGGTTTGTAGTCGATTTTCAATAATTTCAATGACACT 420
 Db 361 AATCGGTTCCGTGCGGACCGTTCGATCGGTTTGTAGTCGATTTTCAATAATTTCAATGACACT 420
 QY 421 CCTAGTTGTTGTATAGTTAAAGACAGTTACAGAG 456
 Db 421 CCTAGTTGTTGTATAGTTAAAGACAGTTACAGAG 456

RESULT 3
 US-10-311-455-321
 ; Sequence 321, Application US/10311455
 ; Publication No. US20030143606A1
 ; GENERAL INFORMATION:
 ; APPLICANT: OLEK, Alexander
 ; APPLICANT: PIEPENBROCK, Christian
 ; APPLICANT: BERLIN, Kurt
 ; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ
 ; TITLE OF INVENTION: Cytosine methylation
 ; FILE REFERENCE: 5013.1014
 ; CURRENT APPLICATION NUMBER: US/10/311,455
 ; CURRENT FILING DATE: 2002-12-16
 ; PRIOR APPLICATION NUMBER: PCT/EP01/07537
 ; PRIOR FILING DATE: 2001-07-02
 ; PRIOR APPLICATION NUMBER: DE 10032529.7
 ; PRIOR FILING DATE: 2000-06-30
 ; PRIOR APPLICATION NUMBER: DE 10043826.1
 ; PRIOR FILING DATE: 2000-09-01
 ; NUMBER OF SEQ ID NOS: 2424
 ; SEQ ID NO 321
 ; LENGTH: 5145
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
 US-10-311-455-321

Query Match 14.6%; Score 66.6; DB 15; Length 5145;
 Best Local Similarity 51.9%; Pred. No. 0.058;
 Matches 176; Conservative 0; Mismatches 159; Indels 4; Gaps 1;

QY 4 AACATATTCATATGATTTGCTACTCATATCGCTAGAAATCTTTGTCCTTGTCT 63
 Db 511 AATATATTTTATAAGTTTAAAGTTTAAATATTTTGGGTTATTTATTTATGCGGTGTTT 570
 QY 64 AATAAAGATATCTTGAATAGCTTAGTTTAAATAATAAGCATATAGATTTTAGGAAT 123
 Db 571 TATGTTTATGAGGATATATATTTTAAATTTTAAATGTTGTTTATTTTATTTTATTTG 630
 QY 124 AGTATTTGAGTTTAAATCTTATTCAGTTGTAACAGTTTATATAATTCAGAGGCCCATG 183
 Db 631 TTTTATTTTATGTTTGGTTTATAGGTTTATAGTATAGACAATTTAAGATAAAG- ---AGG 686
 QY 184 AAAAAATTTAATGCTTTTATAGTTTAACTTACTATATAAATTTTTCATATGTAATAATTT 243
 Db 687 AAAAAAGATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 746
 QY 244 AATCGGTATAGTTTCGATATTTTTCATATTTTATATAAATAAATAAATAAATCTACCTAAT 303
 Db 747 TGTATTATTTATGATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTAA 806
 QY 304 TATCGGTACAGTTATAGATTATATAAATAAATAAATCTACCGTT 342
 Db 807 TTTTGTTTTAAATAATTTGTAGTATATAAATAATTTATAGTT 845

RESULT 4
 US-10-240-485-17
 ; Sequence 17, Application US/10240485
 ; Publication No. US20030148327A1

GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with
; FILE REFERENCE: 5013.1007
; CURRENT APPLICATION NUMBER: US/10/240,485
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03970
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 202
; SEQ ID NO 17
; LENGTH: 5145
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-485-17

Query Match 14.6%; Score 66.6; DB 15; Length 5145;
Best Local Similarity 51.9%; Pred. No. 0.058;
Matches 176; Conservative 0; Mismatches 159; Indels 4; Gaps 1;

QY 4 AACATATCAATACATAGTCTGCTACTCATATCCTGAGATACATCTTGTGCTGCT 63
DB 511 AATATATTTTATAAGCTTAAAGTTTAAATATTTTGTGGTTATTTATTTGGGTGTTT 570
QY 64 AATAAGATACCTTGAATAGCTTACTTTAAATATAAATAGCATAATAGATTTAGGAA 123
DB 571 TAAGTTTATGAGGATATATATTTAAATTAATTTTAAATGTTTGTGTTTAAATTTG 630
QY 124 AGTATTTGAGTTTAAATCTTATTTGACTTGTACAGTTTTTATAAATCCAGGCCCATG 183
DB 631 TTTTGTGTTAGTTGTTTATAGGTTTATAGTAGAGAAATTAAGATAAGAG---AGG 686
QY 184 AAAAATTTAAAGCTTTATAGTTTAACTTACTATATAAATTTTCTATGTAATAATTT 243
DB 687 AAAAGATATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTATAGT 746
QY 244 AATCGGTATAGTTCGATATTTTCAATTTTATTTTATAAATAAATAAATCCCTAAT 303
DB 747 TGTTTATATATGATTTATTTAAATTTTATTTTATTTTATTTTATTTTATTTTAA 806
QY 304 TATCGGTACAGTTATAGATTTATATAAATAAATCTACGGTT 342
DB 807 TTTTGTGTTTAAATATTTGATGATATATAAATTTATAGTT 845

RESULT 5
US-10-311-455-1541/c
; Sequence 1541, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1280
; LENGTH: 6175
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1280

Query Match 13.4%; Score 61; DB 15; Length 6175;
Best Local Similarity 48.7%; Pred. No. 0.54;
Matches 166; Conservative 0; Mismatches 175; Indels 0; Gaps 0;

PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1541
; LENGTH: 8305
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1541

Query Match 14.6%; Score 66.4; DB 15; Length 8305;
Best Local Similarity 49.2%; Pred. No. 0.071;
Matches 175; Conservative 0; Mismatches 181; Indels 0; Gaps 0;

QY 8 TATCAATACATTTGTTGCTACTCATATCGCTAGATACATCTTGTGCTTGTGCTAATA 67
DB 6424 TATTTTATATAAATAAATAATATATATTAATAATAATATATATATATATATATAT 6365
QY 68 AAGATACCTTGAATAGCTTAAATATAAATAGCATAAATAGATTTTAGGAATTAGTA 127
DB 6364 AAAAATATATATATATATATATATCAATTATATAAATACATAATACATATATATATA 6305
QY 128 TTTTGAGTTTAAATCTTATGCTTGTAAACAGTTTTTATAATTCOAAGGCCCATGAAAA 187
DB 6304 TAATATATAATAATAATAATATACATATATATATATATATATATATATATATATAT 6245
QY 188 ATTAAATGCTTTATTTAGTTTAAACCTTACTATATAAATTTTTCATATGTAAAAATTAATC 247
DB 6244 AAT 6185
QY 248 GGTATAGTTCGATATTTTTCATTTTATTTTATAAATAAATAAATACCTTACCTTAATATC 307
DB 6184 TAATATAATAATAATAAT 6125
QY 308 GGTACAGTTATAGATTTATATAAATCTACGGTTCTTCAGAGAGAACCTTAAAAAT 363
DB 6124 TATATTTTAT 6069

RESULT 6
US-10-311-455-1280
; Sequence 1280, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; TITLE OF INVENTION: Diagnosis of Diseases Associated with the Immune System by Determ
; FILE REFERENCE: 5013.1014
; CURRENT APPLICATION NUMBER: US/10/311,455
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07537
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 2424
; SEQ ID NO 1280
; LENGTH: 6175
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-455-1280

Query Match 13.4%; Score 61; DB 15; Length 6175;
Best Local Similarity 48.7%; Pred. No. 0.54;
Matches 166; Conservative 0; Mismatches 175; Indels 0; Gaps 0;

Matches 154; Conservative 0; Mismatches 156; Indels 0; Gaps 0;
QY 19 TTGTAGTTTGTCTACTCATAATCGTAGAATACTTTGCGCTTGTCTAATAAGACTACTTGA 78
Db 13515 TTGAGTTTATTAATTTTGTGGGATTTTGAGTTTATATGTTTTTATTTGAAATAAATTGG 13574
QY 79 AATAGCTTAGTTTAAATAATAATAGCAATAATAGATTTTGGAAATAGTATTTTTCAGTTTA 138
Db 13575 TTATTATGATTATTAATAATAATAATAATAATAATAATAATAATAATAATAATAATA 13634
QY 139 ATTACTTATGACTTGTAACTGTTTATTAATAATCCAGGCCCATGAAAAATTTAATGCTT 198
Db 13635 TTTTATTTTATTTTATTTTATTTTAAATTTTAAATATCGTGTTTTTATTTTAAATGAT 13694
QY 199 TATTAGTTTAACTTACTATATAAATTTTTCATATGTAAATTTAATCGGTACAGTTGG 258
Db 13695 TATTATTAATAGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 13754
QY 259 ATATTTTTCATTTTATTTTATATAAATAAATAAATAAATAAATAAATAAATAAATAA 318
Db 13755 ATAAATATGAT 13814
QY 319 AGATTATAT 328
Db 13815 GATTGTGTTT 13824

RESULT 10

US-10-311-507-31
; Sequence 31, Application US/10311507
; Publication No. US20040115630A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Method and nucleic acids for the analysis of astrocytomas
; FILE REFERENCE: 5013.1013
; CURRENT APPLICATION NUMBER: US/10/311.507
; PRIOR FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: PCT/EP01/07538
; PRIOR FILING DATE: 2001-07-02
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 136
; SEQ ID NO 31
; LENGTH: 18997
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-311-507-31

Query Match 13.2%; Score 60.4; DB 17; Length 18997;
Best Local Similarity 49.7%; Pred. No. 0.91;
Matches 154; Conservative 0; Mismatches 156; Indels 0; Gaps 0;
QY 19 TTGTAGTTTGTCTACTCATAATCGTAGAATACTTTGCGCTTGTCTAATAAGACTACTTGA 78
Db 13515 TTGAGTTTATTAATTTTGTGGGATTTTGATTTATATGTTTTTATTTGAAATAAATTGG 13574
QY 79 AATAGCTTAGTTTAAATAATAATACATAATAGATTTTGGAAATAGTATTTTCAGTTTA 138
Db 13575 TTATTATGATTATTAATAATAATAATAATAATAATAATAATAATAATAATAATAAT 13634
QY 139 ATTACTTATGACTTGTAACTGTTTATTAATAATCCAGGCCCATGAAAAATTTAATGCTT 198
Db 13635 TTTTATTTTATTTTATTTTATTTTAAATTTTAAATTTAATATCGTGTTTTTATTTAATGAT 13694
QY 199 TATTAGTTTAACTTACTATATAAATTTTTCATATGTAAATTTAATCGGTACAGTTGG 258
Db 13695 TATTATTAATAGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 13754

QY 259 ATATTTTTCATTTTATTTTATATAAATAAATAAATAAATAAATAAATAAATAAATAA 318
Db 13755 ATAAATATGAT 13814
QY 319 AGATTATAT 328
Db 13815 GATTGTGTTT 13824

RESULT 11

US-10-480-846-17
; Sequence 17, Application US/10480846
; Publication No. US20040219549A1
; GENERAL INFORMATION:
; APPLICANT: Distler, Jurgen
; APPLICANT: Model, Fabian
; APPLICANT: Adorjan, Peter
; TITLE OF INVENTION: Method and nucleic acids for the differentiation
; FILE REFERENCE: 47675-53
; CURRENT APPLICATION NUMBER: US/10/480.846
; PRIOR FILING DATE: 2003-12-12
; PRIOR APPLICATION NUMBER: PCT/EP02/06603
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: DE 10128509.4
; PRIOR FILING DATE: 2001-06-14
; NUMBER OF SEQ ID NOS: 116
; SEQ ID NO 17
; LENGTH: 18997
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-480-846-17

Query Match 13.2%; Score 60.4; DB 18; Length 18997;
Best Local Similarity 49.7%; Pred. No. 0.91;
Matches 154; Conservative 0; Mismatches 156; Indels 0; Gaps 0;
QY 19 TTGTAGTTTGTCTACTCATAATCGTAGAATACTTTGCGCTTGTCTAATAAGACTACTTGA 78
Db 13515 TTGAGTTTATTTTATTTTGTGGGATTTTGATTTATATGTTTTTATTTGAAATAAATTGG 13574
QY 79 AATAGCTTAGTTTAAATAATAATAGCAATAATAGATTTTGGAAATAGTATTTTCAGTTTA 138
Db 13575 TTATTATGATTATTAATAATAATAATAATAATAATAATAATAATAATAATAATAAT 13634
QY 139 ATTACTTATGACTTGTAACTGTTTATTAATAATCCAGGCCCATGAAAAATTTAATGCTT 198
Db 13635 TTTTATTTTATTTTATTTTATTTTAAATTTTAAATTTAATATCGTGTTTTTATTTAATGAT 13694
QY 199 TATTAGTTTAACTTACTATATAAATTTTTCATATGTAAATTTAATCGGTACAGTTGG 258
Db 13695 TATTATTAATAGTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTTTATTT 13754
QY 259 ATATTTTTCATTTTATTTTATATAAATAAATAAATAAATAAATAAATAAATAAATAA 318
Db 13755 ATAAATATGAT 13814
QY 319 AGATTATAT 328
Db 13815 GATTGTGTTT 13824

RESULT 12

US-10-311-455-1549
; Sequence 1549, Application US/10311455
; Publication No. US20030143606A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt


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; OTHER INFORMATION: 10-513-262 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 2934
; OTHER INFORMATION: 10-513-352 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 2947
; OTHER INFORMATION: 10-513-365 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 3802
; OTHER INFORMATION: 12-206-81 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 4062
; OTHER INFORMATION: 10-343-231 : deletion of C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 4088
; OTHER INFORMATION: 12-206-365 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 4109
; OTHER INFORMATION: 10-343-278 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 4170
; OTHER INFORMATION: 10-343-339 : polymorphic base G or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 5903
; OTHER INFORMATION: 10-346-23 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6019
; OTHER INFORMATION: 10-346-141 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6141
; OTHER INFORMATION: 10-346-263 : polymorphic base G or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6183
; OTHER INFORMATION: 10-346-305 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6338
; OTHER INFORMATION: 10-347-74 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6375
; OTHER INFORMATION: 10-347-111 : polymorphic base G or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6429
; OTHER INFORMATION: 10-347-165 : polymorphic base C or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6467
; OTHER INFORMATION: 10-347-203 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 6484
; OTHER INFORMATION: 10-347-220 : polymorphic base A or G

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Query Match 13.0%; Score 59.4; DB 15; Length 20674;
 Best Local Similarity 49.5%; Pred. No. 1.4;
 Matches 153; Conservative 0; Mismatches 156; Indels 0; Gaps 0;

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QY 51 TTGTGCTTGCCTAATAAGATACCTTGAATAGCTTACCTTTAAATATAAATAGCATATA 110
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Db 11064 TTTTATAGCTAGGAAATATTTTAAATTTTAAATTTTAAATTTTAAATTTTAAATA 11123

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QY 111 GATTTTAGGAATTAGTATTTTGGTTTAAATTACTTATCGACTTGTAAACAGTTTTTATAAT 170
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Db 11124 TTAAATTTAAATTTTAAATTTAAATTTAAATTTAAATTTTAAATTTTAAATTTAA 11183
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 171 TCCAAGGCCCATGAAAAATTTAATGCTTTTATAGTTTAAACTTACTATATATAATTTTC 230
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11184 AATTTAAATAAATTTAAATTTAAATTTAAATTTAAATTTTAAATAAACATTTTAAATTTT 11243
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 231 ATATGTAAATTTAAATCGGTATAGTTTCGATATTTTTCATTTTATTTTAAATAAAA 290
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 11244 AATTTTAAATTTAAATTTAAATTTAAATTTAAATTTTAAATTTTAAATTTTAAATTTA 11303
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 291 AACTTACCCTTAATTCGGTACAGTTTATAGATTATATAAAAATCTACGGTTCTTCAGAA 350
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Db 11304 ATTAACTTAAATTTAAATTTAAATTTAAATTTAAATTTTAAATTTTAAATTTTAAATA 11363
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QY 351 GAAACCTAA 359
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Db 11364 TTAATTTAA 11372
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Search completed: November 13, 2004, 03:51:09
 Job time : 382 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: November 12, 2004, 20:59:30 ; Search time 78 Seconds
(without alignments)
4155.381 Million cell updates/sec

Title: US-09-941-042C-1
Perfect score: 456
Sequence: 1 ggaacattatcaatacatt.....ggtaaaagcagttacagag 456

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 824507 seqs, 355394441 residues

Total number of hits satisfying chosen parameters: 1649014

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
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6: /cgn2_6/ptodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	456	100.0	1030	2	US-08-508-786-5
2	456	100.0	1030	5	PCT-US96-12158-5
3	456	100.0	1294	2	US-08-508-786-4
4	456	100.0	1294	5	PCT-US96-12158-4
5	456	100.0	1372	2	US-08-508-786-3
6	456	100.0	1372	5	PCT-US96-12158-3
7	456	100.0	1988	2	US-08-508-786-2
8	456	100.0	1988	5	PCT-US96-12158-2
9	456	100.0	2010	2	US-08-508-786-1
10	456	100.0	2010	5	PCT-US96-12158-1
11	148	32.5	722	2	US-08-508-786-6
12	148	32.5	722	5	PCT-US96-12158-6
13	60.6	13.3	937	3	US-08-998-416-288
14	59.4	13.0	20674	4	US-09-641-638-651
15	59.4	13.0	20674	4	US-10-170-097-651
16	57	12.5	53332	4	US-09-801-861-3
17	57	12.5	53332	4	US-10-224-562-3
18	56.2	12.3	5152	4	US-10-204-708-73
19	55.8	12.2	3328	4	US-09-710-279-4195
20	55.6	12.2	636	3	US-08-998-416-1137
21	54.2	11.9	6040	4	US-10-204-708-70
22	53.6	11.8	14078	4	US-08-956-171E-191
23	53.6	11.8	14078	4	US-08-781-986A-191
24	52.8	11.6	615	3	US-08-998-416-186
25	52.8	11.6	1850	3	US-08-617-860B-32
26	52.8	11.6	4098	2	US-08-605-106-4
27	52.6	11.5	319	1	US-07-593-657-14

28	52.6	11.5	1241	1	US-07-593-657-6	Sequence 6, Appli
29	52.6	11.5	1241	3	US-08-942-012B-3	Sequence 3, Appli
30	51.6	11.3	6317	4	US-10-204-708-12	Sequence 12, Appli
C 31	51.6	11.3	640681	4	US-09-790-988-1	Sequence 1, Appli
C 32	51.4	11.3	665	2	US-08-883-795A-36	Sequence 36, Appli
C 33	51.4	11.3	3618	1	US-07-872-678A-36	Sequence 36, Appli
34	51.4	11.3	6669	4	US-10-204-708-6	Sequence 6, Appli
35	51	11.2	724	3	US-08-998-416-683	Sequence 683, App
36	50.8	11.1	665	2	US-08-883-795A-36	Sequence 36, Appli
C 37	50.8	11.1	1316	4	US-09-270-767-2481	Sequence 2481, Ap
C 38	50.8	11.1	1316	4	US-09-270-767-17763	Sequence 17763, A
39	50.8	11.1	10467	4	US-10-204-708-2	Sequence 2, Appli
40	50.4	11.1	640681	4	US-09-790-988-1	Sequence 1, Appli
C 41	49.8	10.9	6243	2	US-09-056-075-1	Sequence 1, Appli
C 42	49.6	10.9	19233	4	US-10-204-708-46	Sequence 46, Appli
43	49.4	10.8	11131	4	US-10-204-708-27	Sequence 27, Appli
44	49.2	10.8	5108	3	US-09-306-446C-8	Sequence 8, Appli
C 45	49	10.7	66933	4	US-09-544-398B-11	Sequence 11, Appli

ALIGNMENTS

RESULT 1
US-08-508-786-5
; Sequence 5, Application US/08508786
; Patent No. 5837876
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; APPLICANT: Mendu, Nandini
; TITLE OF INVENTION: Root Cortex Specific Gene Promoter
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; -ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
; ADDRESSEE: Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: No. 5837876th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM: disk
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,786
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5051-294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-420-2200
; TELEFAX: 919-881-3175
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; TYPE: nucleic acid
; LENGTH: 1030 base pairs
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-508-786-5

Query Match 100.0%; Score 456; DB 2; Length 1030;
Best Local Similarity 100.0%; Pred. No. 1.4e-86;
Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 GGAACATATTCATACATTTGCTAGTTGCTACTCATATCGCTAGATCTTTGTCCTT 60
Db 1 GGAACATATTCATACATTTGCTAGTTGCTACTCATATCGCTAGATCTTTGTCCTT 60

sgn ID 513
1030nuc
10nuc

APPLICATION NUMBER: US/08/508,786

FILING DATE:

CLASSIFICATION: 800

ATTORNEY/AGENT INFORMATION:

NAME: Sibley, Kenneth D.

REGISTRATION NUMBER: 31,665

REFERENCE/DOCKET NUMBER: 5051-294

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-420-2200

TELEFAX: 919-881-3175

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 1372 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

PCT-US96-12158-3

Query Match 100.0%; Score 456; DB 2; Length 1372;

Best Local Similarity 100.0%; Pred. No. 1.4e-86;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGAACATATTCGAATACATTTGCTACTCATATCGCTAGATACCTTGTGCGCTT 60
Db 343 GGAACATATTCGAATACATTTGCTACTCATATCGCTAGATACCTTGTGCGCTT 402
QY 61 GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATATAGATTTTAGGA 120
Db 403 GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATATAGATTTTAGGA 462
QY 121 ATTAGTATTTGAGTTTAAATACCTTATTGACTTTGTAACAGTTTATTAATTCGAAGGCC 180
Db 463 ATTAGTATTTGAGTTTAAATACCTTATTGACTTTGTAACAGTTTATTAATTCGAAGGCC 522
QY 181 ATGAAATATTTAATGCTTTTATTAGTTTAAATCTACTATATAAATTTTTCATATGTAAA 240
Db 523 ATGAAATATTTAATGCTTTTATTAGTTTAAATCTACTATATAAATTTTTCATATGTAAA 582
QY 241 TTTAATCGGTATGATTCGATATTTTCAATTTATTTTATAAATAAATAAATAAATAAATAA 300
Db 583 TTTAATCGGTATGATTCGATATTTTCAATTTATTTTATAAATAAATAAATAAATAAATAA 642
QY 301 AATTATCGGTACAGTTATAGATTTATATAAATAAATAAATAAATAAATAAATAAATAA 360
Db 643 AATTATCGGTACAGTTATAGATTTATATAAATAAATAAATAAATAAATAAATAAATAA 702
QY 361 AATCGGTTTCGGTTCGGACGGTTTCGATCGGTTTTCGATTTTCAATATTCATTCGACCT 420
Db 703 AATCGGTTTCGGTTCGGACGGTTTCGATCGGTTTTCGATTTTCAATATTCATTCGACCT 762
QY 421 CCTAGTTGTTTATAGTATAAAGACAGTTACAGAG 456
Db 763 CCTAGTTGTTTATAGTATAAAGACAGTTACAGAG 798
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RESULT 6

PCT-US96-12158-3

Sequence 3, Application PC/TUS9612158

GENERAL INFORMATION:

APPLICANT: Conkling, Mark A.

APPLICANT: Mendu, Nandini

APPLICANT: Song, Wen

TITLE OF INVENTION: Root Cortex Specific Gene Promoter

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &

ADDRESSEE: Gibson

STREET: Post Office Drawer 34009

CITY: Charlotte

STATE: North Carolina

COUNTRY: USA

ZIP: 28234

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent In Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/12158

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Sibley, Kenneth D.

REGISTRATION NUMBER: 31,665

REFERENCE/DOCKET NUMBER: 5051-294

TELECOMMUNICATION INFORMATION:

TELEPHONE: 919-420-2200

TELEFAX: 919-881-3175

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 1372 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

PCT-US96-12158-3

Query Match 100.0%; Score 456; DB 5; Length 1372;

Best Local Similarity 100.0%; Pred. No. 1.4e-86;

Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GGAACATATTCGAATACATTTGCTACTCATATCGCTAGATACCTTGTGCGCTT 60
Db 343 GGAACATATTCGAATACATTTGCTACTCATATCGCTAGATACCTTGTGCGCTT 402
QY 61 GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATATAGATTTTAGGA 120
Db 403 GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATATAGATTTTAGGA 462
QY 121 ATTAGTATTTGAGTTTAAATACCTTATTGACTTTGTAACAGTTTATTAATTCGAAGGCC 180
Db 463 ATTAGTATTTGAGTTTAAATACCTTATTGACTTTGTAACAGTTTATTAATTCGAAGGCC 522
QY 181 ATGAAATATTTAATGCTTTTATTAGTTTAAATCTACTATATAAATTTTTCATATGTAAA 240
Db 523 ATGAAATATTTAATGCTTTTATTAGTTTAAATCTACTATATAAATTTTTCATATGTAAA 582
QY 241 TTTAATCGGTATGATTCGATATTTTCAATTTATTTTATAAATAAATAAATAAATAAATAA 300
Db 583 TTTAATCGGTATGATTCGATATTTTCAATTTATTTTATAAATAAATAAATAAATAAATAA 642
QY 301 AATTATCGGTACAGTTATAGATTTATATAAATAAATAAATAAATAAATAAATAAATAA 360
Db 643 AATTATCGGTACAGTTATAGATTTATATAAATAAATAAATAAATAAATAAATAAATAA 702
QY 361 AATCGGTTTCGGTTCGGACGGTTTCGATCGGTTTTCGATTTTCAATATTCATTCGACCT 420
Db 703 AATCGGTTTCGGTTCGGACGGTTTCGATCGGTTTTCGATTTTCAATATTCATTCGACCT 762
QY 421 CCTAGTTGTTTATAGTATAAAGACAGTTACAGAG 456
Db 763 CCTAGTTGTTTATAGTATAAAGACAGTTACAGAG 798
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RESULT 7

US-08-508-786-2

Sequence 2, Application US/08508786

Patent No. 5837876

GENERAL INFORMATION:

APPLICANT: Conkling, Mark A.

APPLICANT: Mendu, Nandini

APPLICANT: Song, Wen

TITLE OF INVENTION: Root Cortex Specific Gene Promoter

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
 ADDRESSEE: Gibson
 STREET: Post Office Drawer 34009
 CITY: Charlotte
 STATE: No. 5837876th Carolina
 COUNTRY: USA
 ZIP: 28234
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA: US/08/508,786
 FILING DATE:
 CLASSIFICATION: 800
 ATTORNEY/AGENT INFORMATION:
 NAME: Sibley, Kenneth D.
 REGISTRATION NUMBER: 31,665
 REFERENCE/DOCKET NUMBER: 5051-294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-420-2200
 TELEFAX: 919-881-3175
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1988 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 US-08-508-786-2

Query Match 100.0%; Score 456; DB 2; Length 1988;
 Best Local Similarity 100.0%; Pred. No. 1.5e-86;
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GGAAACATATCAATACATCTAGTTGCTACTCATATCGCTAGATCTTTGCGCTT	60
Db	959	GGAAACATATCAATACATCTAGTTGCTACTCATATCGCTAGATCTTTGCGCTT	1018
QY	61	GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATAATAGATTTTAGGA	120
Db	1019	GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATAATAGATTTTAGGA	1078
QY	121	ATTAGTATTTTGAGTTTAAATACCTTATGACTTGAACAGTTTATATAATCCAGGCC	180
Db	1079	ATTAGTATTTTGAGTTTAAATACCTTATGACTTGAACAGTTTATATAATCCAGGCC	1138
QY	181	ATGAAAAATTTAAGCTTTATAGTTTAAATACCTTACTATATAAATTTTCATATGTAAA	240
Db	1139	ATGAAAAATTTAAGCTTTATAGTTTAAATACCTTACTATATAAATTTTCATATGTAAA	1198
QY	241	TTTAATCGGTATAGTTCGATATTTTCAATTTATTTTATAAATAAATAAATTTACCCCT	300
Db	1199	TTTAATCGGTATAGTTCGATATTTTCAATTTATTTTATAAATAAATAAATTTACCCCT	1258
QY	301	AATTATCGGTACAGTTATAGATTTTATAAATAATCTAGTTTCTTCAGAGAAACCTAAA	360
Db	1259	AATTATCGGTACAGTTATAGATTTTATAAATAATCTAGTTTCTTCAGAGAAACCTAAA	1318
QY	361	AATCGGTTCGGTCGACAGTTTCGATCGGTTTATGCGATTTTCAATATTTCAATTTGACACT	420
Db	1319	AATCGGTTCGGTCGACAGTTTCGATCGGTTTATGCGATTTTCAATATTTCAATTTGACACT	1378
QY	421	CCTAGTTGTTGTATAGGTAAAAGCAGTTTACAGAG	456
Db	1379	CCTAGTTGTTGTATAGGTAAAAGCAGTTTACAGAG	1414

RESULT 8
 PCT-US96-12158-2
 ; Sequence 2, Application PC/TUS9612158
 ; GENERAL INFORMATION:

APPLICANT: Conkling, Mark A.
 APPLICANT: Mendu, Nandini
 APPLICANT: Song, Wen
 TITLE OF INVENTION: Root Cortex Specific Gene Promoter
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
 ADDRESSEE: Gibson
 STREET: Post Office Drawer 34009
 CITY: Charlotte
 STATE: North Carolina
 COUNTRY: USA
 ZIP: 28234
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent in Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: PCT/US96/12158
 FILING DATE:
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: Sibley, Kenneth D.
 REGISTRATION NUMBER: 31,665
 REFERENCE/DOCKET NUMBER: 5051-294
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 919-420-2200
 TELEFAX: 919-881-3175
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1988 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 PCT-US96-12158-2

Query Match 100.0%; Score 456; DB 5; Length 1988;
 Best Local Similarity 100.0%; Pred. No. 1.5e-86;
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	GGAAACATATCAATACATCTAGTTGCTACTCATATCGCTAGATCTTTGCGCTT	60
Db	959	GGAAACATATCAATACATCTAGTTGCTACTCATATCGCTAGATCTTTGCGCTT	1018
QY	61	GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATAATAGATTTTAGGA	120
Db	1019	GCTAATAAGATACCTTGAATAGCTTAGTTTAAATATAAATAGCATAATAGATTTTAGGA	1078
QY	121	ATTAGTATTTTGAGTTTAAATACCTTATGACTTGAACAGTTTATATAATCCAGGCC	180
Db	1079	ATTAGTATTTTGAGTTTAAATACCTTATGACTTGAACAGTTTATATAATCCAGGCC	1138
QY	181	ATGAAAAATTTAAGCTTTATAGTTTAAATACCTTACTATATAAATTTTCATATGTAAA	240
Db	1139	ATGAAAAATTTAAGCTTTATAGTTTAAATACCTTACTATATAAATTTTCATATGTAAA	1198
QY	241	TTTAATCGGTATAGTTCGATATTTTCAATTTATTTTATAAATAAATAAATTTACCCCT	300
Db	1199	TTTAATCGGTATAGTTCGATATTTTCAATTTATTTTATAAATAAATAAATTTACCCCT	1258
QY	301	AATTATCGGTACAGTTATAGATTTTATAAATAATCTAGTTTCTTCAGAGAAACCTAAA	360
Db	1259	AATTATCGGTACAGTTATAGATTTTATAAATAATCTAGTTTCTTCAGAGAAACCTAAA	1318
QY	361	AATCGGTTCGGTCGACAGTTTCGATCGGTTTATGCGATTTTCAATATTTCAATTTGACACT	420
Db	1319	AATCGGTTCGGTCGACAGTTTCGATCGGTTTATGCGATTTTCAATATTTCAATTTGACACT	1378
QY	421	CCTAGTTGTTGTATAGGTAAAAGCAGTTTACAGAG	456
Db	1379	CCTAGTTGTTGTATAGGTAAAAGCAGTTTACAGAG	1414

RESULT 9
 US-08-508-786-1
 ; Sequence 1, Application US/08508786
 ; Patent No. 5837876
 ; GENERAL INFORMATION:
 ; APPLICANT: Conkling, Mark A.
 ; APPLICANT: Mendu, Nandini
 ; APPLICANT: Song, Wen
 ; TITLE OF INVENTION: Root Cortex Specific Gene Promoter
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
 ; ADDRESSEE: Gibson
 ; STREET: Post Office Drawer 34009
 ; CITY: Charlotte
 ; STATE: No. 5837876th Carolina
 ; COUNTRY: USA
 ; ZIP: 28234
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/508,786
 ; FILING DATE:
 ; CLASSIFICATION: 800
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sibley, Kenneth D.
 ; REGISTRATION NUMBER: 31,665
 ; REFERENCE/DOCKET NUMBER: 5051-294
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 919-420-2200
 ; TELEFAX: 919-881-3175
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2010 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-508-786-1

Query Match 100.0%; Score 456; DB 2; Length 2010;
 Best Local Similarity 100.0%; Pred. No. 1.5e-86;
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GGAACATATTCAATACATTTGAGTTTCTACTCATATCTAGTAATACCTTTGCTT 60
 Db 959 GGAACATATTCAATACATTTGAGTTTCTACTCATATCTAGTAATACCTTTGCTT 1018
 QY 61 GCTAATAAGATACCTTGAATAGCTTGTCTTAAATATAAATAGCATATAGATTAGGA 120
 Db 1019 GCTAATAAGATACCTTGAATAGCTTGTCTTAAATATAAATAGCATATAGATTAGGA 1078
 QY 121 ATTAGTATTTTGGAGTTTAACTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 180
 Db 1079 ATTAGTATTTTGGAGTTTAACTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 1138
 QY 181 ATGAAAAATTTAATGCTTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 240
 Db 1139 ATGAAAAATTTAATGCTTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 1198
 QY 241 TTTAATCGGTATGATTCGATATTTTTCATTTTAAATATAAATCTACCTT 300
 Db 1199 TTTAATCGGTATGATTCGATATTTTTCATTTTAAATATAAATCTACCTT 1258
 QY 301 AATTATCGGTACAGTTATAGATTATATAAATCTACCTTCTCAGAGAACTTAA 360
 Db 1259 AATTATCGGTACAGTTATAGATTATATAAATCTACCTTCTCAGAGAACTTAA 1318

QY 361 AATCGGTTCCGTCGGACGGTTCCGATCGGTTAGTTCGATTTCAAATATTCATTTGACACT 420
 Db 1319 AATCGGTTCCGTCGGACGGTTCCGATCGGTTAGTTCGATTTCAAATATTCATTTGACACT 1378
 QY 421 CCTAGTTGTTTATAGGTAAGGAGGAGTACAGAG 456
 Db 1379 CCTAGTTGTTTATAGGTAAGGAGGAGTACAGAG 1414
 RESULT 10
 PCT-US96-12158-1
 ; Sequence 1, Application PC/TUS96/12158
 ; GENERAL INFORMATION:
 ; APPLICANT: Conkling, Mark A.
 ; APPLICANT: Mendu, Nandini
 ; APPLICANT: Song, Wen
 ; TITLE OF INVENTION: Root Cortex Specific Gene Promoter
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
 ; ADDRESSEE: Gibson
 ; STREET: Post Office Drawer 34009
 ; CITY: Charlotte
 ; STATE: North Carolina
 ; COUNTRY: USA
 ; ZIP: 28234
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/12158
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Sibley, Kenneth D.
 ; REGISTRATION NUMBER: 31,665
 ; REFERENCE/DOCKET NUMBER: 5051-294
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 919-420-2200
 ; TELEFAX: 919-881-3175
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2010 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; PCT-US96-12158-1
 Query Match 100.0%; Score 456; DB 5; Length 2010;
 Best Local Similarity 100.0%; Pred. No. 1.5e-86;
 Matches 456; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 959 GGAACATATTCAATACATTTGAGTTTCTACTCATATCTAGTAATACCTTTGCTT 60
 Db 959 GGAACATATTCAATACATTTGAGTTTCTACTCATATCTAGTAATACCTTTGCTT 1018
 QY 61 GCTAATAAGATACCTTGAATAGCTTGTCTTAAATATAAATAGCATATAGATTAGGA 120
 Db 1019 GCTAATAAGATACCTTGAATAGCTTGTCTTAAATATAAATAGCATATAGATTAGGA 1078
 QY 121 ATTAGTATTTTGGAGTTTAACTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 180
 Db 1079 ATTAGTATTTTGGAGTTTAACTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 1138
 QY 181 ATGAAAAATTTAATGCTTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 240
 Db 1139 ATGAAAAATTTAATGCTTTATTTGACTTGTACAGTTTATTAATTTCCAGGCC 1198
 QY 241 TTTAATCGGTATGATTCGATATTTTTCATTTTAAATATAAATCTACCTT 300

Db 1199 TTTAATCGGTATAGTTCGATATTTTTCATTTTATATTTTATATAAAATAAAACCTTACCCT 1258
Qy 301 AATTATCGGTACAGTTATAGATTATATATAAAATCTACGGTTCTTCAGAGAAACCTTAA 360
Db 1259 AATTATCGGTACAGTTATAGATTATATATAAAATCTACGGTTCTTCAGAGAAACCTTAA 1318
Qy 361 AATCGGTCGGTCGGACGGTTCGATCGGTTTAGTCGATTTTCAAAATATTCATTGACACT 420
Db 1319 AATCGGTCGGTCGGACGGTTCGATCGGTTTAGTCGATTTTCAAAATATTCATTGACACT 1378
Qy 421 CCTAGTTGTTGTTATAGTAAAGACAGTTACAGAG 456
Db 1379 CCTAGTTGTTGTTATAGTAAAGACAGTTACAGAG 1414

RESULT 11
US-08-786-6
; Sequence 6, Application US/08508786
; Patent No. 5837876
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; APPLICANT: Mendu, Nandini
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Root Cortex Specific Gene Promoter
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
; ADDRESSEE: Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: No. 5837876th Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/508,786
; FILING DATE:
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5051-294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-420-2200
; TELEFAX: 919-881-3175
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 722 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-786-6

Query Match 32.5%; Score 148; DB 2; Length 722;
Best Local Similarity 100.0%; Pred. No. 1.6e-22;
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 309 GTACAGTTATAGATTATATAAAATCTACGGTTCTTCAGAGAAACCTTAAATCGGTT 368
Db 1 GTACAGTTATAGATTATATAAAATCTACGGTTCTTCAGAGAAACCTTAAATCGGTT 60
Qy 369 CGGTGCGGACGGTTCGATCGGTTTAGTCGATTTTCAAAATATTCATTGACACTCCTAGTTG 428
Db 61 CGGTGCGGACGGTTCGATCGGTTTAGTCGATTTTCAAAATATTCATTGACACTCCTAGTTG 120
Qy 429 TTGTTATAGGTAAGGACAGTTACAGAG 456
Db 121 TTGTTATAGGTAAGGACAGTTACAGAG 148

RESULT 12
PCT-US96-12158-6
; Sequence 6, Application PC/TUS9612158
; GENERAL INFORMATION:
; APPLICANT: Conkling, Mark A.
; APPLICANT: Mendu, Nandini
; APPLICANT: Song, Wen
; TITLE OF INVENTION: Root Cortex Specific Gene Promoter
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kenneth D. Sibley; Bell, Seltzer, Park &
; ADDRESSEE: Gibson
; STREET: Post Office Drawer 34009
; CITY: Charlotte
; STATE: North Carolina
; COUNTRY: USA
; ZIP: 28234
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/12158
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sibley, Kenneth D.
; REGISTRATION NUMBER: 31,665
; REFERENCE/DOCKET NUMBER: 5051-294
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 919-420-2200
; TELEFAX: 919-881-3175
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 722 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US96-12158-6

Query Match 32.5%; Score 148; DB 5; Length 722;
Best Local Similarity 100.0%; Pred. No. 1.6e-22;
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 309 GTACAGTTATAGATTATATAAAATCTACGGTTCTTCAGAGAAACCTTAAATCGGTT 368
Db 1 GTACAGTTATAGATTATATAAAATCTACGGTTCTTCAGAGAAACCTTAAATCGGTT 60
Qy 369 CGGTGCGGACGGTTCGATCGGTTTAGTCGATTTTCAAAATATTCATTGACACTCCTAGTTG 428
Db 61 CGGTGCGGACGGTTCGATCGGTTTAGTCGATTTTCAAAATATTCATTGACACTCCTAGTTG 120
Qy 429 TTGTTATAGGTAAGGACAGTTACAGAG 456
Db 121 TTGTTATAGGTAAGGACAGTTACAGAG 148

RESULT 13
US-08-998-416-288
; Sequence 288, Application US/08998416
; Patent No. 8239264
; GENERAL INFORMATION:
; APPLICANT: Philippsen, Peter
; APPLICANT: Pohlmann, Rainer
; APPLICANT: Steiner, Sabine
; APPLICANT: Mohr, Christine
; APPLICANT: Wendland, Jurgen
; APPLICANT: Knechtie, Philipp
; APPLICANT: Rebischnung, Corinne

;; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSYVPII
;; TITLE OF INVENTION: AND USES THEREOF
;; NUMBER OF SEQUENCES: 1152
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: No. 6239264artis Corporation
;; STREET: 3054 Cornwallis Road
;; CITY: Research Triangle Park
;; STATE: No. 6239264th Carolina
;; COUNTRY: USA
;; ZIP: 27709
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/998,416
;; FILING DATE: 24-DEC-1997
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: CH 0016/97
;; FILING DATE: 31-DEC-1996
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Meigs, J. Timothy
;; REGISTRATION NUMBER: 38,241
;; REFERENCE/DOCKET NUMBER: PF/5-30306/A/CGC1976
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 919-541-8587
;; TELEFAX: 919-541-8689
;; INFORMATION FOR SEQ ID NO: 288:
;; SEQUENCE CHARACTERISTICS:
;; TYPE: nucleic acid
;; LENGTH: 837 base pairs
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; ORIGINAL SOURCE:
;; ORGANISM: FAG1241RP
;; US-08-998-416-288

;; GENERAL INFORMATION:
;; APPLICANT: Blumenfeld, Marta
;; APPLICANT: Bougueleret, Lydie
;; APPLICANT: Chumakov, Ilya
;; APPLICANT: Cohen, Annick
;; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
;; TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM
;; FILE REFERENCE: GENSET.051CPI
;; CURRENT APPLICATION NUMBER: US/09/641,638
;; CURRENT FILING DATE: 2000-08-16
;; PRIOR APPLICATION NUMBER: US 09/502,330
;; PRIOR FILING DATE: 2000-02-11
;; PRIOR APPLICATION NUMBER: US 60/133,200
;; PRIOR FILING DATE: 1999-05-07
;; PRIOR APPLICATION NUMBER: US 09/275,267
;; PRIOR FILING DATE: 1998-03-23
;; PRIOR APPLICATION NUMBER: US 60/119,917
;; PRIOR FILING DATE: 1999-02-12
;; NUMBER OF SEQ ID NOS: 1304
;; SOFTWARE: Patent.pm
;; SEQ ID NO 651
;; LENGTH: 20674
;; TYPE: DNA
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc.feature
;; LOCATION: 1123..3123
;; OTHER INFORMATION: 5'regulatory region
;; NAME/KEY: exon
;; LOCATION: 3124..3297
;; OTHER INFORMATION: exon 1
;; NAME/KEY: exon
;; LOCATION: 3871..4072
;; OTHER INFORMATION: exon 2
;; NAME/KEY: exon
;; LOCATION: 5552..5633
;; OTHER INFORMATION: exon 3
;; NAME/KEY: exon
;; LOCATION: 5758..5880
;; OTHER INFORMATION: exon 4
;; NAME/KEY: exon
;; LOCATION: 5996..6099
;; OTHER INFORMATION: exon 5
;; NAME/KEY: exon
;; LOCATION: 6349..6509
;; OTHER INFORMATION: exon 6
;; NAME/KEY: exon
;; LOCATION: 7379..7522
;; OTHER INFORMATION: exon 7
;; NAME/KEY: exon
;; LOCATION: 8645..8854
;; OTHER INFORMATION: exon 8
;; NAME/KEY: exon
;; LOCATION: 12254..12340
;; OTHER INFORMATION: exon 9
;; NAME/KEY: exon
;; LOCATION: 12854..13023
;; OTHER INFORMATION: exon 10
;; NAME/KEY: exon
;; LOCATION: 13308..13429
;; OTHER INFORMATION: exon 11
;; NAME/KEY: exon
;; LOCATION: 16567..16667
;; OTHER INFORMATION: exon 12
;; NAME/KEY: exon
;; LOCATION: 16775..16945
;; OTHER INFORMATION: exon 13
;; NAME/KEY: exon
;; LOCATION: 17063..17554
;; OTHER INFORMATION: exon 14
;; NAME/KEY: misc.feature
;; LOCATION: 17555..20674
;; OTHER INFORMATION: 3'regulatory region

Query Match 13.3%; Score 60.6; DB 3; Length 837;
Best Local Similarity 51.1%; Pred. No. 0.00024;
Matches 168; Conservative 0; Mismatches 159; Indels 2; Gaps 1;
QY 4 AACATATTCAATACATTCGTTGCTACTCTAATCGCTAGATATCTTGTGCTTGCT 63
Db 234 AAATTAGTTTAAATAATATTATAGATATTATTTCTTTAATAAATTATTAATAGA 293
QY 64 AATAAGATACCTGAAATAGCTTAGTTTAAATAATAAGATAGATATTAGGAATT 123
Db 294 TTATCAATAATTAATATATTATTATTAATGTTTAAATAATAATATTATTATTA 353
QY 124 AGTATTTGAGTTTAATTAATCTATTG--ACTGTAACAGTTTTTATTAATCCAGGCCCA 181
Db 354 TAAAGATTAATTTATTTAAATATTGTAATATTATTTTATTATAATATCTATTTTTA 413
QY 182 TCAAAAATTAATGCTTTATTAGTTTAAACTTACTATATAAATTTTCATATGTAAT 241
Db 414 TAAATATTATGTTGATTTATTTATTTAATCTTTTATAGATATTATTAATTAAT 473
QY 242 TTAATCGGTATAGTTCGATTTTTCATATTTATTTTAAATAAATAAATACCTACCCCA 301
Db 474 TTTAACTTTAAATTTCTTTATTTATTTATTTATTTATTTAATAAATATATTCAITTTA 533
QY 302 ATTATCGGTACAGTTATAGATTTTATATAA 330
Db 534 TTTATTATTATTATTAAATTAATTAATTA 562

RESULT 14
US-09-641-638-651
; Sequence 651, Application US/09641638
; Patent No. 6432648

	Query Match	13.0%	Score 59.4;	DB 4;	Length 20674;
	Best Local Similarity	49.5%;	Pred. No. 0.00062;		
	Matches 153;	Conservative	0;	Mismatches 156;	Indels 0;
	Gaps	0;			
QY	51	TTTTGTGCGCTTGC	TAAATAAAGATAC	TCTTGAATAATGCTT	TAGTTAAATATAAATAGCATAATA 110
Db	11064	TTTTTTAAATAGCT	TAAGGAAATAATTT	TATATTTTAAATTTT	TTTAAATTTTAAATTTTAAATTTTAAATA 11123

Search completed: November 13, 2004, 02:53:36
Job time : 82 secs

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